



# **Sun | Netscape iPlanet Migration for COE 4.2**

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DII COE Developer's Conference  
23 May 2000

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# ***Agenda***

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- COE 4.2 iPlanet Integration Objectives
- New Product Architecture
- Sun | Netscape Alliance Product Area of Concern
- iPlanet Network Distribution
- Netscape SuiteSpot 3.x Architecture View
- Segment Dependencies View - Netscape SuiteSpot 3.x Architecture
- Planned RoadMap
- New Architecture - iPlanet Servers
- iPlanet Servers - Resources
- Planned Segments



# ***COE 4.2 iPlanet Integration Objectives***

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Incorporate latest Sun | Netscape Alliance iPlanet Servers to provide DII with needed functionality

- Java Server Pages, Servlets
- Certificate Management
- LDAP
- Messaging

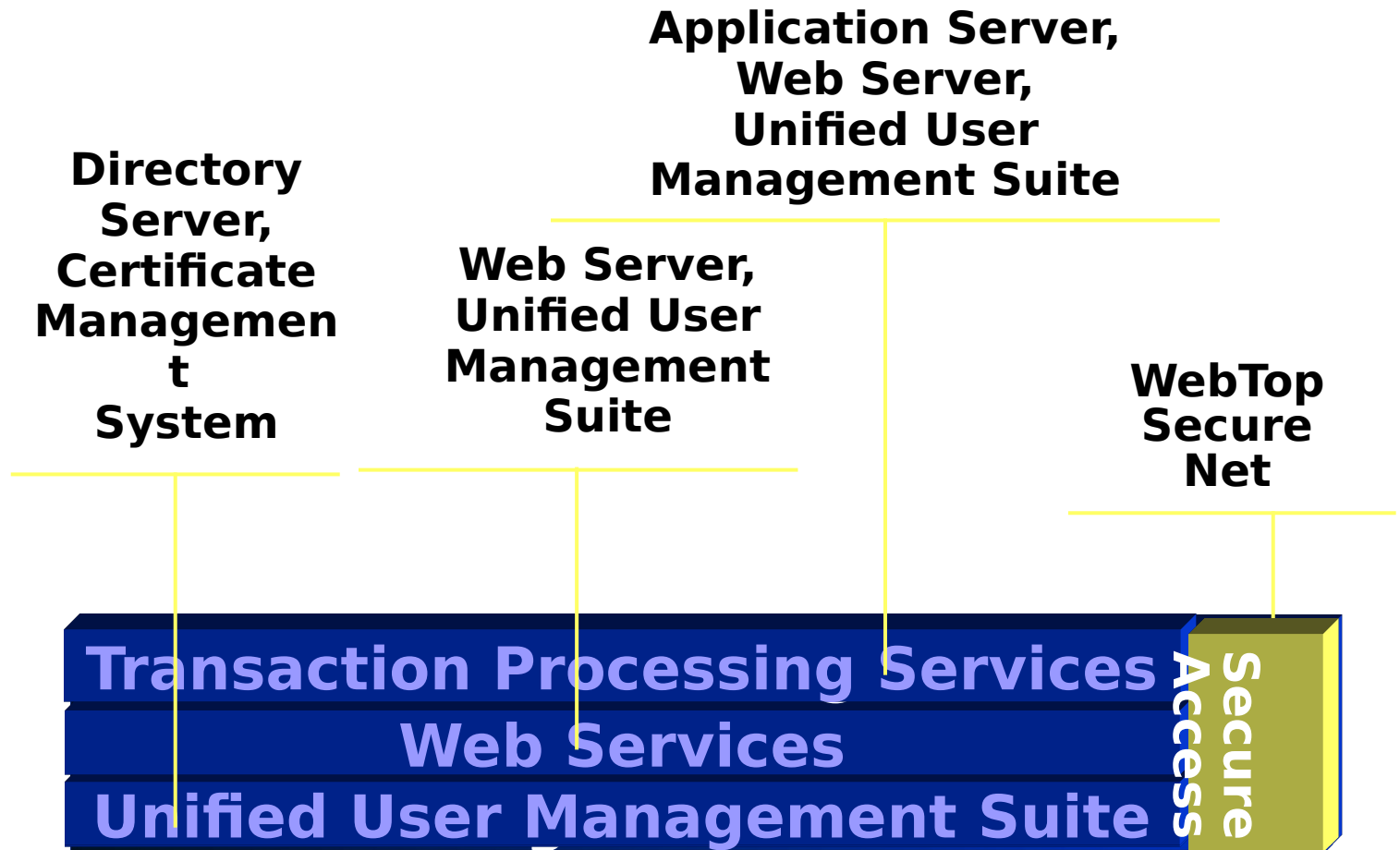
Simplify design of previous Netscape segments

- Remove required segments (Perl, SuiteSpot Servers).
- Servers are now contained in segment.



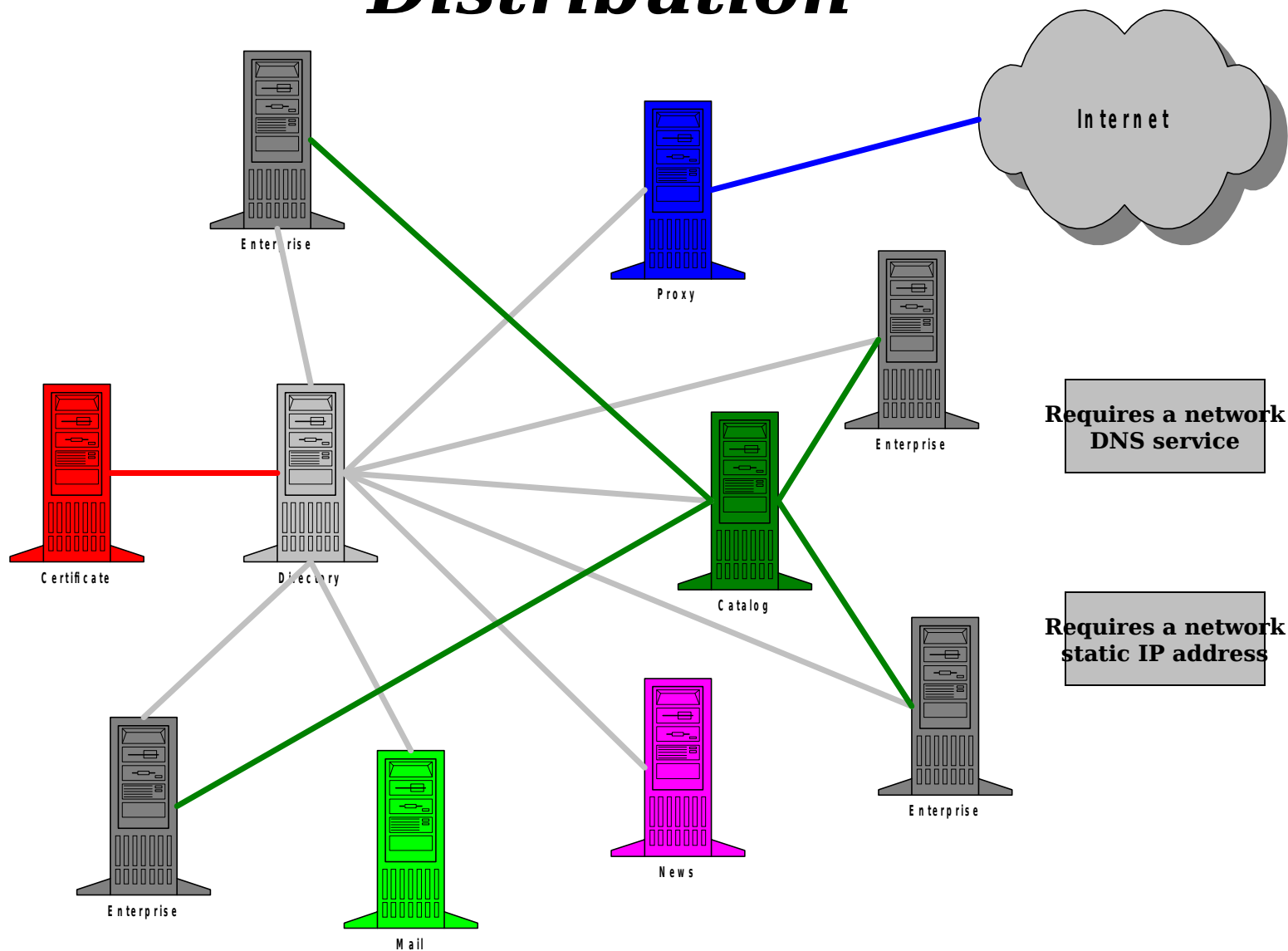
# ***Sun | Netscape Alliance Product Area of Concern***

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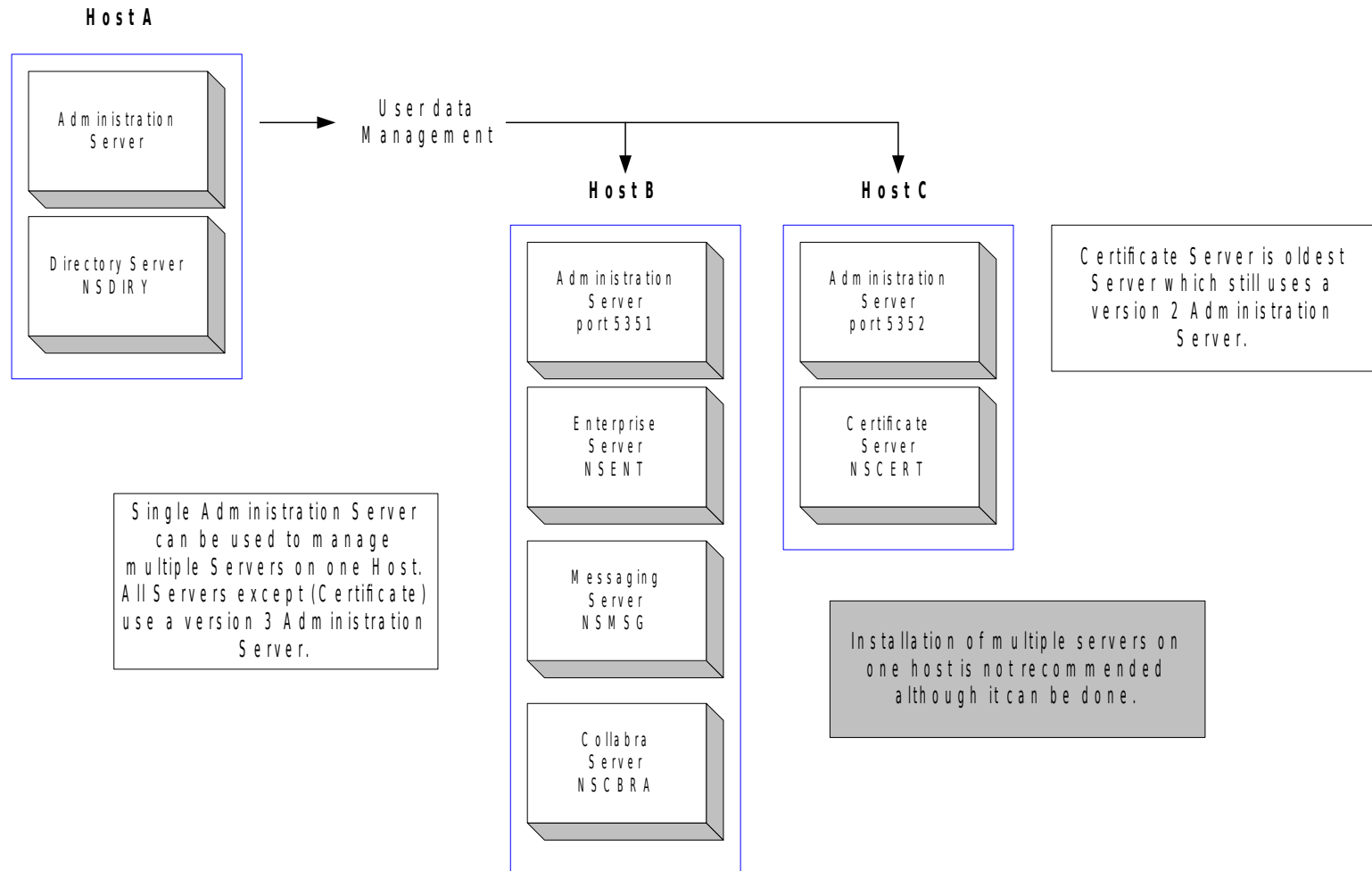


# *iPlanet Network Distribution*





# Netscape SuiteSpot 3.x Architecture View



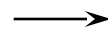


# ***Netscape SuiteSpot 3.x Architecture View - (cont.)***

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***SSpot creates the directories that will house the various Netscape Server products that may be installed:***

**Netscape SuiteSpot  
version 2.0  
binaries, configuration  
settings, and associated  
administrative server.**



**[h/COTS/SuiteSpot/ns-home-2](#)**

**Netscape SuiteSpot  
version 3.0  
binaries, configuration  
settings, and associated  
administrative server.**



**[h/COTS/SuiteSpot/ns-home-3](#)**

***Note: SSpot is a dedicated segment for all Netscape Server segments.***

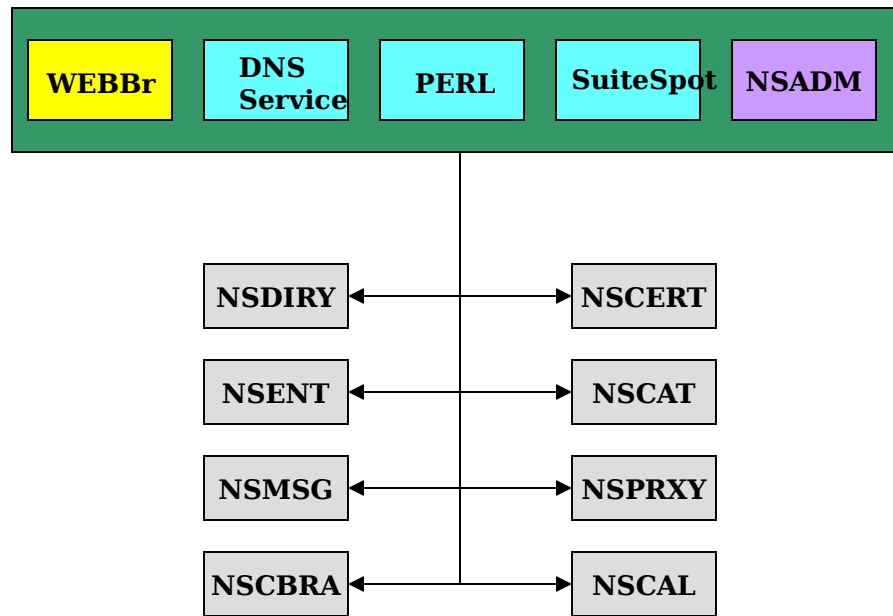


# *Segment Dependencies View*

## *Netscape SuiteSpot 3.x Architecture*

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### Required Segments and Services for SuiteSpot Servers

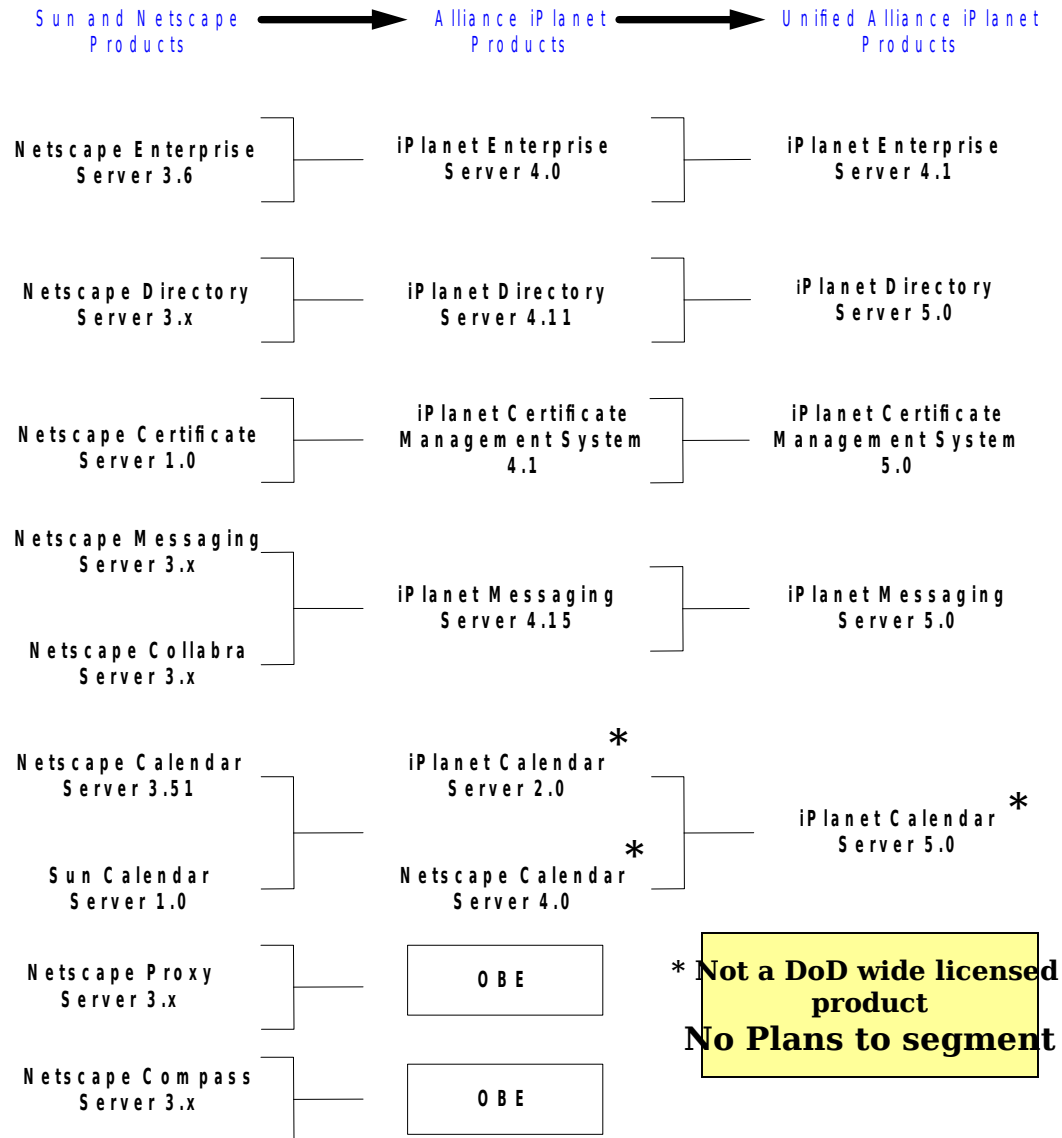


Old View



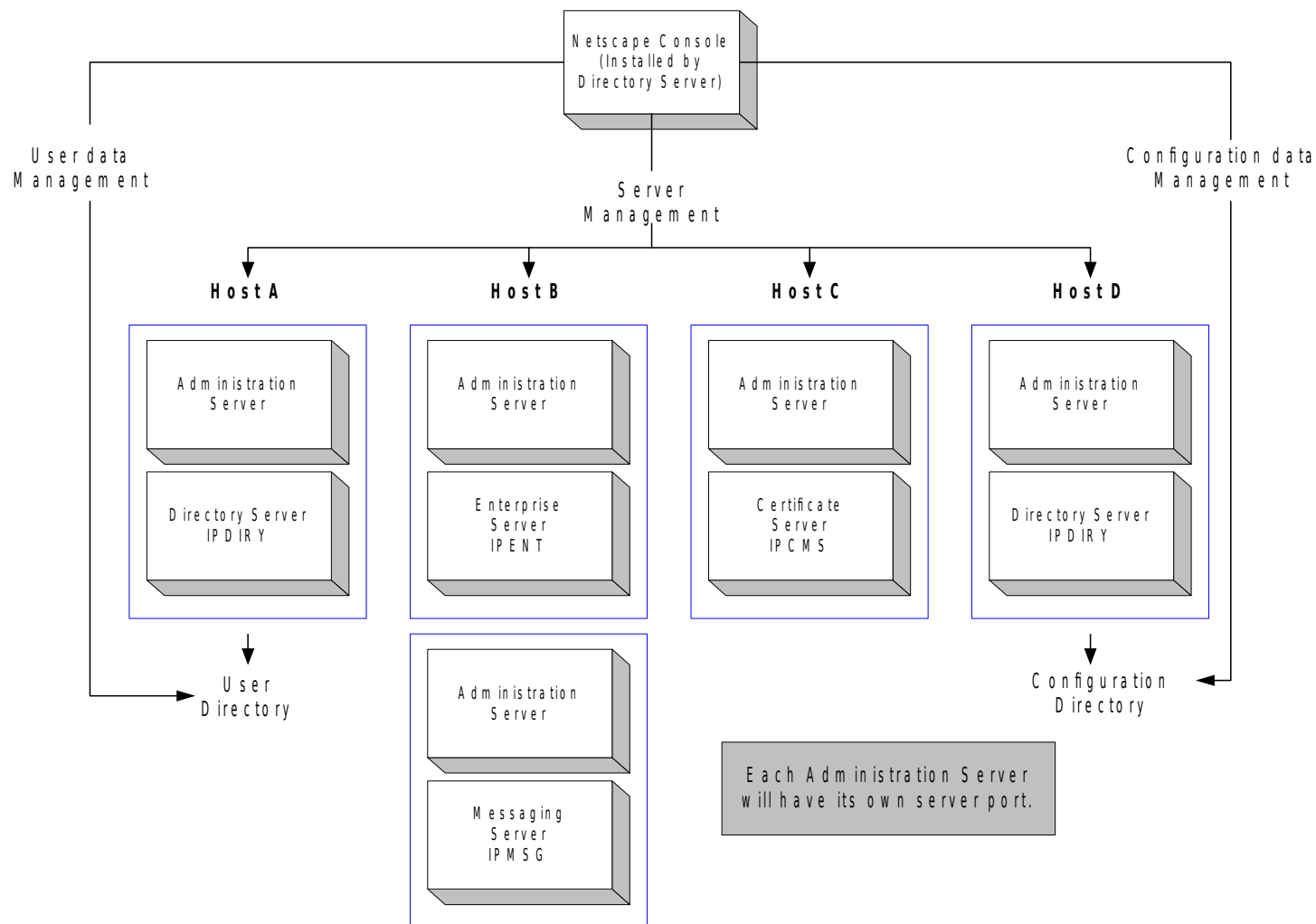


# Planned RoadMap





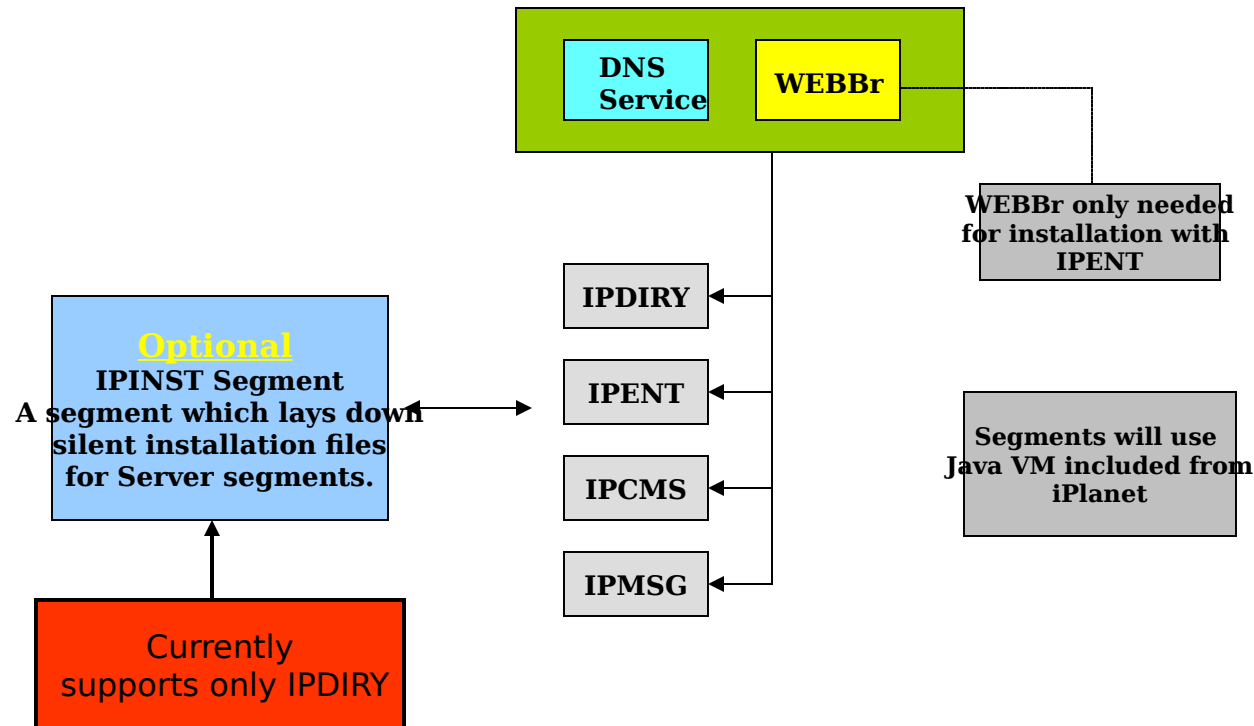
# *New Architecture - iPlanet Servers*





# ***iPlanet Servers - Segment Dependencies View***

## **Required Segments and Services for iPlanet**

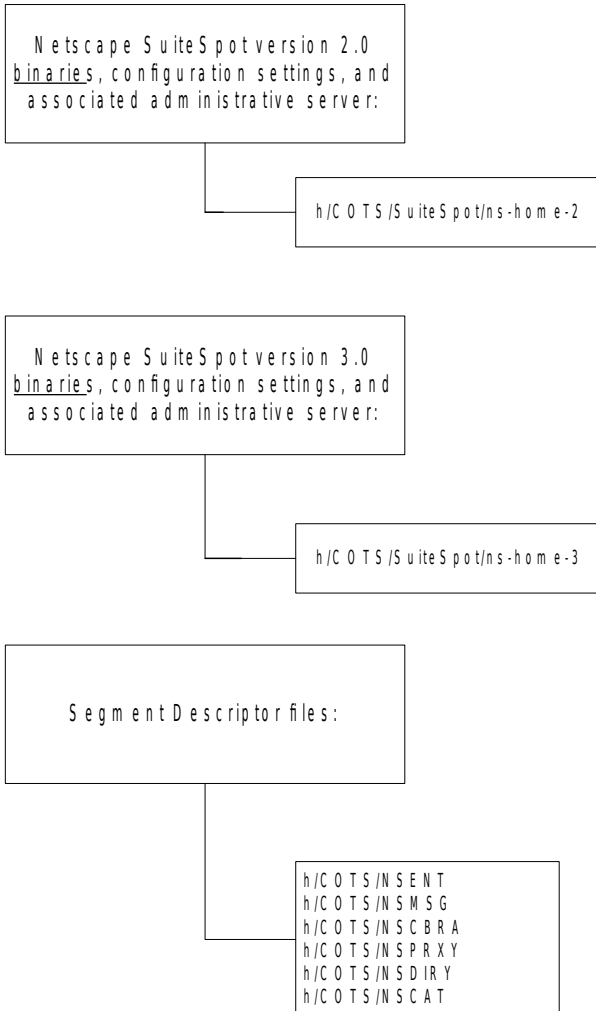


New View

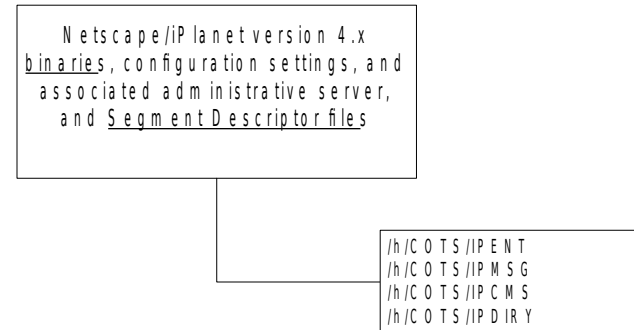


# ***iPlanet Servers - Segment Format***

## **Current DII COE Netscape Configuration**



## **DII COE Planned Netscape/iPlanet Configuration**





# ***iPlanet Silent Install Data - IPINST***

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- Silent installation feature
  - Sun | Netscape iPlanet server products now have a silent installation feature.
    - If you have many similar server configurations to set up, you can place the configuration file plus the server installation package on each machine. You execute the setup program on each machine; it then extracts all information it needs from the configuration file as it performs the installation.
  - IPINST will be a segment (like a data segment) that will contain silent installation files for iPlanet servers. "IPINST will contain a directory named for each iPlanet server under the /data directory. Example: (IPDIRY/install.inf) - "install.inf" is the silent installation file.
    - **Currently only supports iPlanet Directory Server (IPDIRY)**
  - iPlanet servers segments will check to see if the IPINST is installed. If so, it will then look for the specific silent installation file. If the file is present, the server will install with no installer prompts, else the installer will be prompted for necessary needed data. Once the installation finishes, the silent installation file will be removed.



# ***iPlanet Servers - Segment Installation***

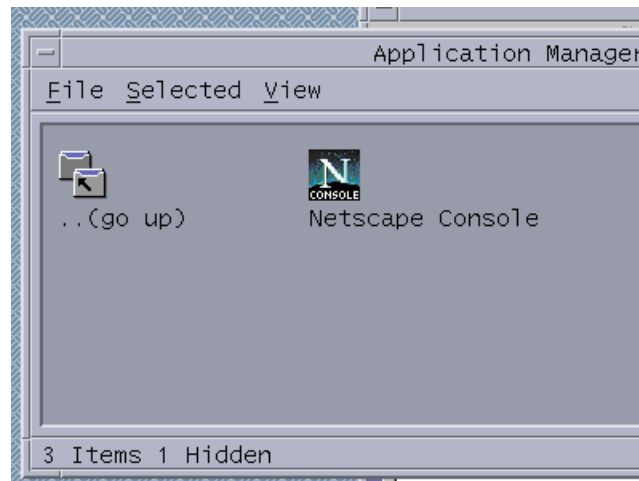
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- Each iPlanet Server Segment will:
  - Ensure that DNS is configured (PreInstall will verify).
  - Perform silent installation, if (IPINST is installed).
  - Verify selected disk partition has enough space (PreInstall will check)
  - Confirm that Netscape Directory Server 4.x is running on a machine at your site. (Info provided at install time by installer).
  - Install COTS product using COEInstaller or COESegInstall.
  - All server segments will add start-up scripts in /etc/init.d with links in /etc/rc2.d and /etc/rc3.d. (These will be removed at de-install time by DEINSTALL script).



# *Menus/Icons*

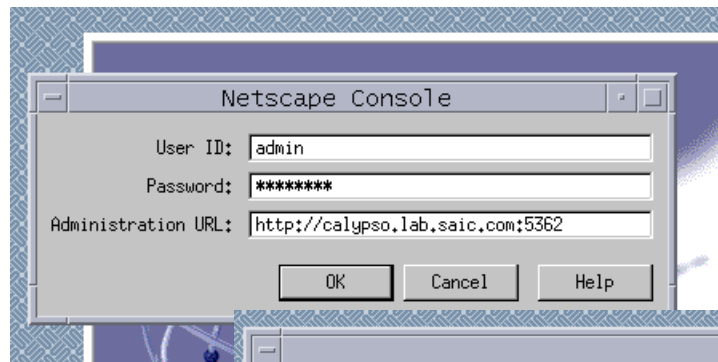
- iPlanet Server Products:
  - The new segments will install an Icon under “System Admin” that will invoke either the Netscape Console or invoke WEBBr pointing to the Admin server for that specific server.



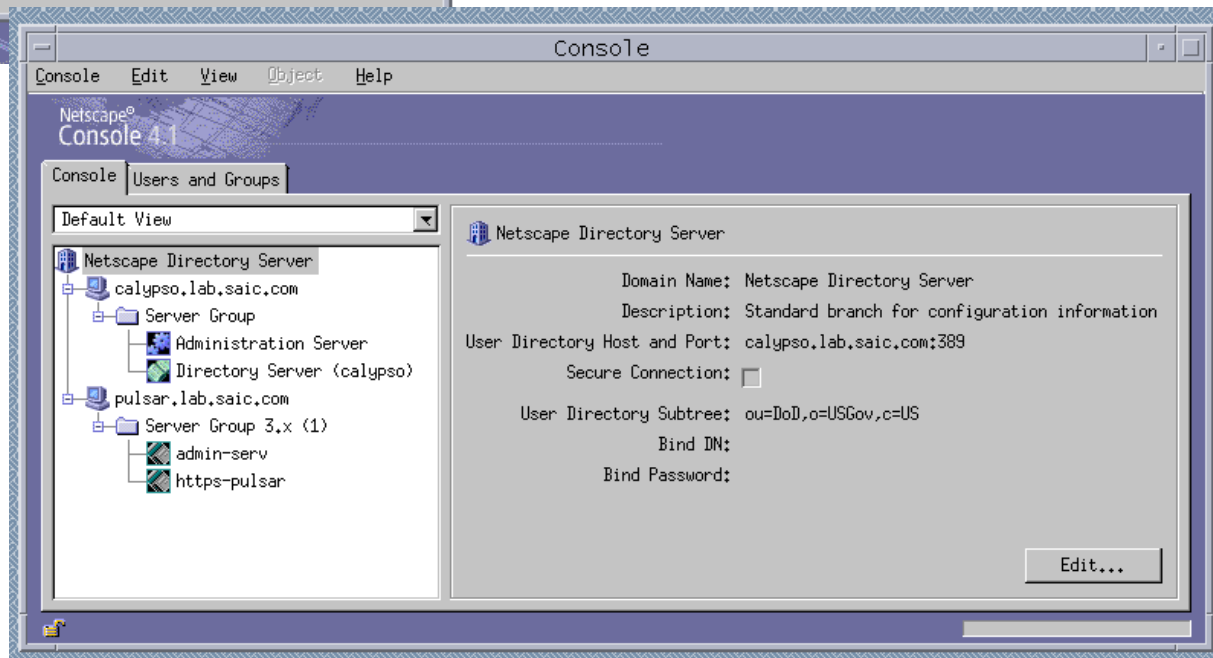
→ **Replaces NSADMN Segment**



# *User Interface - GUI*



**Interfaces for the Console are using Java and Standards. The Web Interface uses Netscap Communicator.**







# ***iPlanet Servers - Resources***

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	Directory	Enterprise	Messaging	Certificate
Operating System	Solaris 2.7, HP 11.0, NT 4.0	Solaris 2.7, HP 11.0, NT 4.0	Solaris 2.7, HP 11.0, NT 4.0	Solaris 2.6, NT 4.0
Memory	32 MB (256MB)	64 MB (Required)	32 MB (256MB)	128MB (Required)
Disk Space	200MB (1GB)	130 MB	500MB (1GB)	250MB
Note: Values in () are recommended				



# Planned Segments

Description	Prefix	Segment Name	OS Platforms	Version	Admin Port
iPlanet Enterprise Server	IPENT	iPlanet Enterprise Server	Solaris 2.7, HP 11, NT 4.0	4.0.0.0/4.0SP4	5360
iPlanet Directory Server	IPDIRY	iPlanet Directory Server	Solaris 2.7, HP 11, NT 4.0	4.0.0.0/4.11	5362
iPlanet Certificate Management System	IPCMS	iPlanet Certificate Management	Solaris 2.7, NT 4.0	4.0.0.0/4.1	5364
iPlanet Messaging Server	IPMSG	iPlanet Messaging Server	Solaris 2.7, HP 11, NT 4.0	4.0.0.0/4.15	5363

## Exportability

**Each server listed above is available in the below Encryption version**

Description	Encryption Domestic	Encryption Export
iPlanet Enterprise Server	128-bit	56-bit
iPlanet Directory Server	128-bit	56-bit
iPlanet Certificate Management System	128-bit	40-bit
iPlanet Messaging Server	128-bit	56-bit

**Total number of segments: 11x2 = 22**



**The End**